

## Special Issue

# Condensation Polymers and their Applications

### Message from the Guest Editors

Condensation polymers contrast the other types of polymers through their chemical activity. Due to the fact that they preserve functional groups at the ends of macromolecules, they can undergo additional condensation. On the other hand, the atoms of the main chain can be involved in exchange reactions. Since the condensation reactions are reversible, the condensation polymers easily undergo degradation reactions in the presence of low molecular weight compounds, which affect negatively their mechanical performance. All these chemical reactions are possible if the respective conditions are available (mostly high temperature). This Special Issue intends to demonstrate how these chemical peculiarities of condensation polymers can be used (or avoided) to create new materials or improve existing ones.

### Guest Editors

Prof. Dr. Stoyko Fakirov

Centre for Advanced Composite Materials, Department of Mechanical Engineering, The University of Auckland, Private Bag 92019, Auckland, New Zealand

Dr. Velram Mohan

Plastics Centre of Excellence and Centre for Advanced Composite Materials, Department of Mechanical Engineering, the University of Auckland, 1010 Auckland, New Zealand

### Deadline for manuscript submissions

closed (31 August 2019)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/17803](https://mdpi.com/si/17803)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)





# Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)



## About the Journal

### Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)